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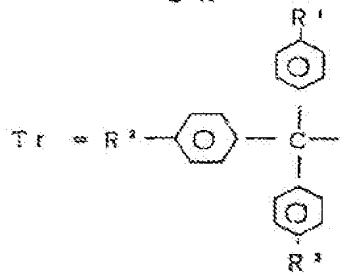
C07D473/34

TITLE : ANTITUMOR AGENT

I



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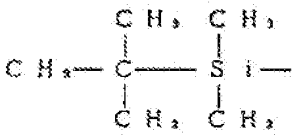

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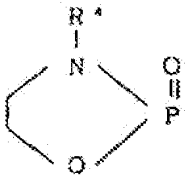

IV

ABSTRACT : PURPOSE: To obtain an antitumor agent having strongly inhibitory action on cancerous cells, containing an acyclic nucleoside derivative as an active ingredient.

CONSTITUTION: An acyclic nucleoside derivative shown by formula I [R and R' are H, alkyl, aryl aralkyl, group shown by formula II (R^1, R^2 and R^3 are H or lower alkoxy), group shown by formula III or group shown by formula IV (R^4 is H or alkyl); B is purine ring, pyrimidine ring or azole ring] as an active ingredient is prepared by a conventional procedure to give the aimed substance. A dose is 1~1,000mg per adult daily and is administered 1~several times dividedly. The compound shown by formula I, for example, is obtained by reacting a purine or pyrimidine base such as adenine, guanine, uracil, etc., with a silylating agent such as 1,1,1,3,3,3-hexamethyldisilazane, etc., and reacting the silylated substance with a separately synthesized 1,3-alkyl(or aryl)oxy-2- chloromethoxypropane under heating.

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